

Water-Data Report 2008

**355422080493104 Local number IR-172, NCDENR Allison Woods Research Station CH-3, near
Turnersburg, NC**

Piedmont and Blue Ridge crystalline-rock aquifers
Mafic Gneiss

Iredell County, NC

LOCATION.--Lat 35°54'22.95", long 80°49'31.23" referenced to North American Datum of 1983, Iredell County, NC, Hydrologic Unit 03040102, 1.7 mi east of U.S. Interstate 77, 0.4 mi north of U.S. Highway 21 on Allison Woods Foundation property. Owner: NCDENR (North Carolina Department of Environment and Natural Resources), Division of Water Quality.

GROUND-WATER RECORDS

WELL CHARACTERISTICS.--Depth 75 ft. Upper casing diameter 4.00 in; top of first opening 20 ft, bottom of last opening 75 ft. Drilled observation well, depth 75 ft, diameter 4 in., cased to 20 ft, open hole from 45 ft to 75 ft.

DATUM.--Land-surface datum is 851.02 ft above North American Vertical Datum of 1988. Measuring point: DIVOT ON OUTER STEEL PROTECTIVE CASING, 2.80 ft above land-surface datum, May 12, 2006, to present.

PERIOD OF RECORD.--May 2006 to current year.

GAGE.--Measured periodically with electric tape (by USGS and NCDENR, Division of Water Quality).

REMARKS.--Well is part of Piedmont/Mountains ground-water project.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.55 ft below land-surface datum, March 5, 2007; lowest water level measured, 10.40 ft below land-surface datum, October 16, 2007.

WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM

Date	Water level	Date	Water level
Oct 16, 2007	10.40	Apr 21, 2008	8.59
31	9.68	May 14	8.89
Nov 15	9.55	Jun 12	9.55
30	9.37	30	10.07
Dec 20	9.28	Jul 18	10.27
Jan 25, 2008	9.18	29	10.37
Feb 21	9.02	Sep 4	9.80
Mar 28	8.78		

Highest: 8.59 Apr 21, 2008

Lowest: 10.40 Oct 16, 2007

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